WHAT IS CLAIMED IS:

1. An expression vector comprising,-an OmpF promoter , all or a fragment of the OmpF gene, a cleavage site, and a gene of interest, wherein said cleavage site separates the OmpF gene or fragment from the gene of interest, and wherein said expression vector produces an OmpF fusion protein fused with the gene of interest.

2. The expression vector of Claim 1, further comprising a selectable marker.

3. The expression vector of Claim 1, wherein said selectable marker is ampicillin resistance.

4. The expression vector of Claim 1, wherein said cleavage site is cleaved by an RNase or a protease.

5. The expression vector of Claim 1, wherein said protease is selected from the group consisting of: Factor Xa, enterokinase, IgA protease, intein, genenase, thrombin, trypsin, pepsin, subtilisin, and plasmin.

6. The expression vector of Claim 1, wherein said gene of interest is selected from the group consisting of: a peptide, a protein, an enzyme, or an antibody.

7. The expression vector of Claim 6, wherein said protein is β-endorphin.

8. The expression vector of Claim 1, wherein said expression vector is pOmpF6 deposited with the Korean type culture Collection for Type cultures under accession number KCTC 1026BP.

9. The expression vector of Claim 1, wherein said OmpF gene or fragment comprises the signal sequence.

10. A host microorganism transformed with the expression vector of Claim 1.

11. The host microorganism of Claim 10, wherein said host microorganism is *Escherichia sp.*

12. The host microorganism of Claim 10, wherein said host microorganism is *Salmonella sp.*

13. The host microorganism of Claim 10, wherein said host microorganism lacks the OmpF gene.

14. The host microorganism of Claim 10, wherein said cell is *E. coli* BL101/pOmpF6 deposited with the Korean type culture Collection for Type cultures under accession number KCTC 1026BP.

15. A method for the production of a protein of interest, comprising

introducing the protein of interest into the vector of Claim 1 producing an expressible OmpF fusion protein;

introducing the vector into a host microorganism;

growing the host microorganism in media;

purifying an OmpF fusion protein from the media;

cleaving the OmpF using an enzyme appropriate for the cleavage site; and

purifying the protein of interest.

16. The method of Claim 15, wherein the host microorganism does not express OmpF.

17. The method of Claim 15, wherein the host microorganism is *Escherichia sp.* or *Salmonella sp.*

18. The method of Claim 17, wherein the *Escherichia sp.* is *E. coli*.

19. The method of Claim 18, wherein the *E. coli* is BL101/pOmpF6.

20. The method of Claim 15, wherein the enzyme is an RNase or a protease.

21. The method of Claim 15, wherein the protease is selected from the group consisting of: Factor Xa, enterokinase, genenase, IgA protease, intein, thrombin, trypsin, pepsin, subtilisin, and plasmin.

22. The method of Claim 15, further comprising removing the host microorganism from the media.

23. The method of Claim 15, wherein said purifying the OmpF fusion protein from the media comprises anion-exchange chromatography.

24. The method of Claim 15, wherein said purifying the protein of interest is by reverse-phase HPLC.